ABSTRACT

Speed checker to detect rash driving represents a device to detect rash driving on highways and to alert the traffic authorities in case of any violation. In the past, lot of devices to detect rash driving on highways has been made. Most of the approaches require human concentration and involve a lot of effort, which is difficult to implement. This designs a system aimed at early detection and alert of dangerous vehicle driving patterns related to rash driving. The entire implementation requires an IR transmitter, an IR receiver, a control circuit and a buzzer. The speed limit is set by the police in order to use the system depending upon the traffic at the very location. The time taken by the vehicle to travel from one set point to the other is calculated by control circuit and displays that on LCD displays. Moreover, if the vehicle crosses the speed limit, a buzzer sounds alerting the police. The aim of this project is to develop a device to detect rash driving on highways and to alert the traffic authorities wirelessly the speed details and any speed violation. Accidents due to rash driving on highways are on the rise and people are losing their lives because of careless mistakes. In the present system, to detect rash driving the police uses a handheld radar gun and then aim at the vehicle to record its speed. If the speed of the vehicle exceeds the speed limit, nearest police station is informed to stop the speeding vehicle. This is an

ineffective process as after detecting one has to inform the same and a lot of time is wasted.